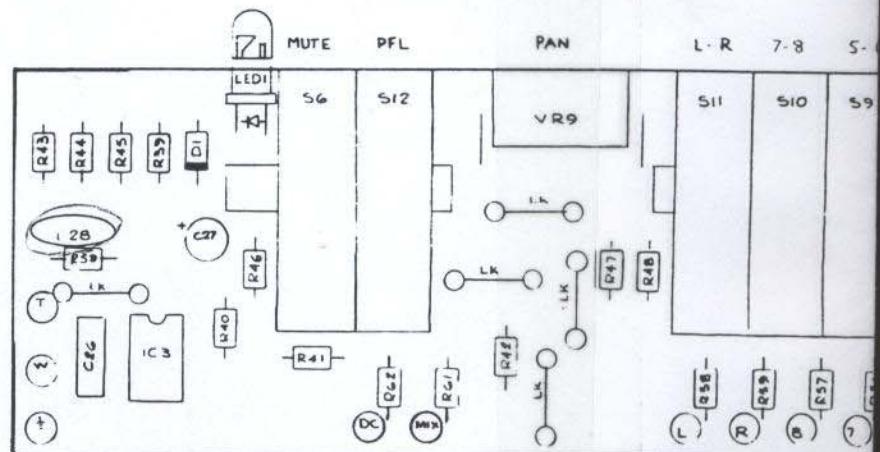
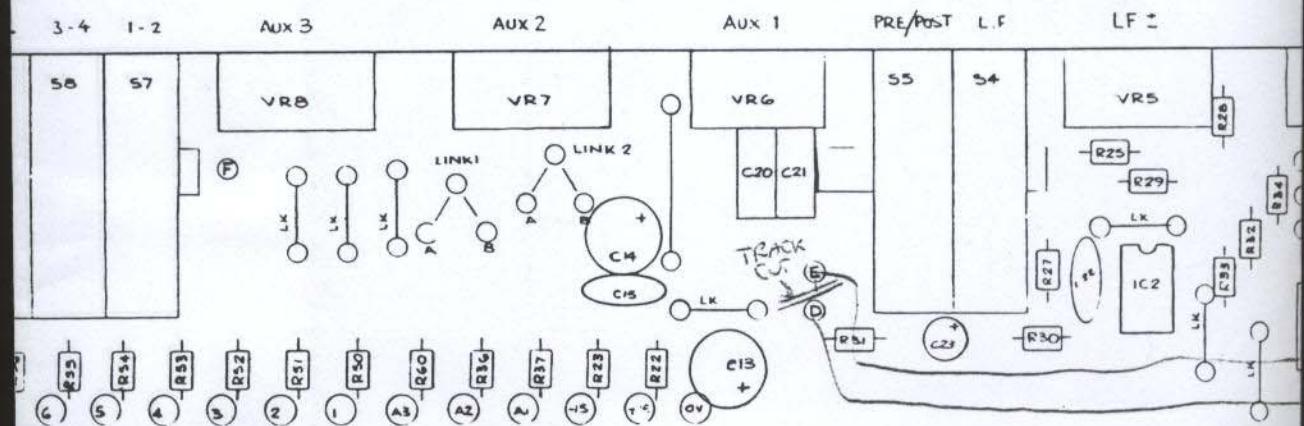
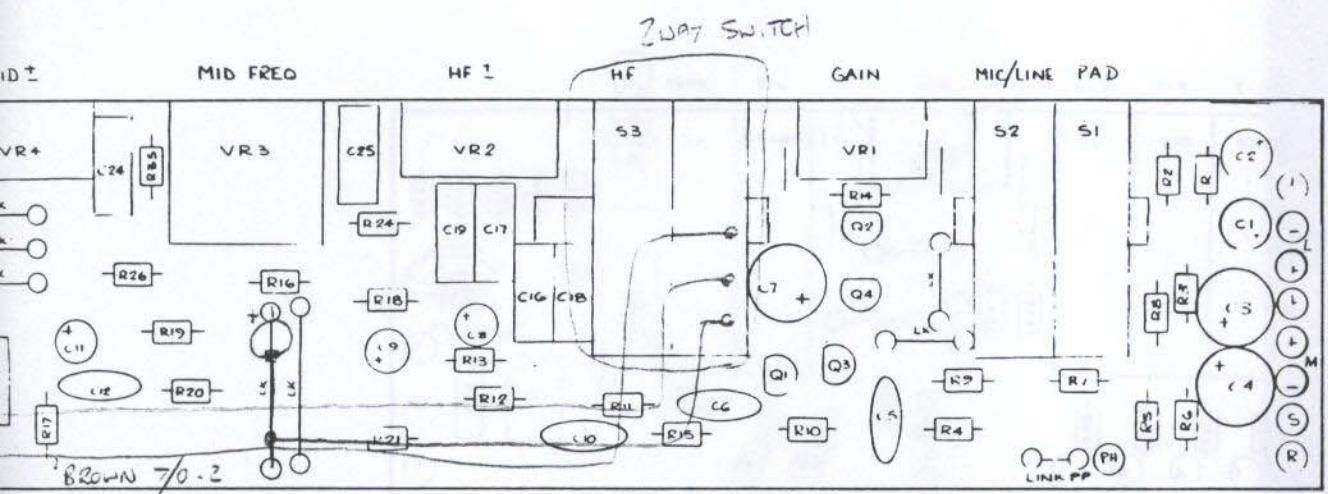


INPUT PCB

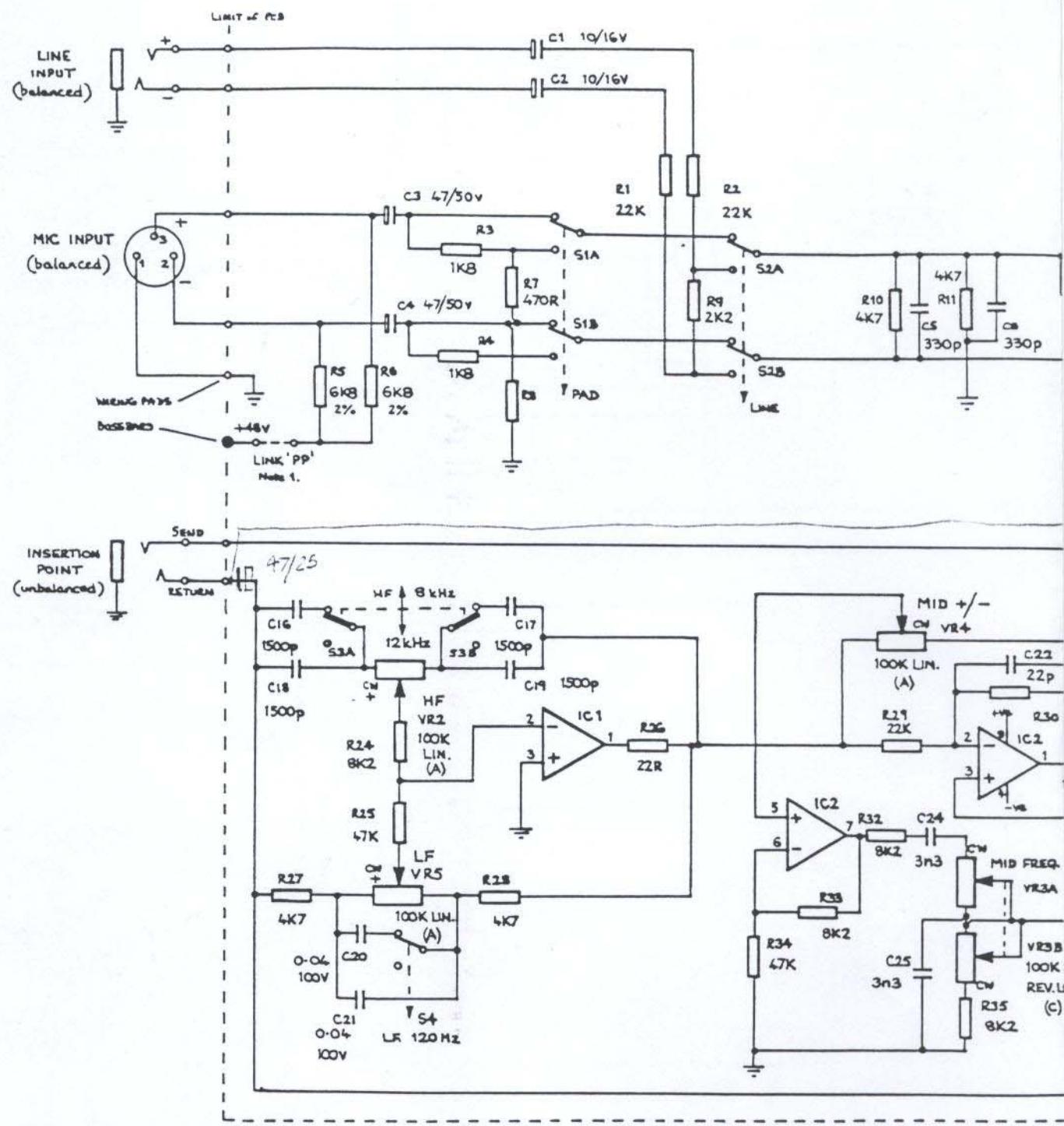




PCB ASSEMBLY DIAGRAM: INPUT PCB TYPE AG0060 ISSUE 1 NOV 15



AHB LTD.



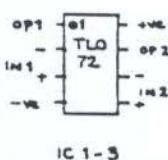
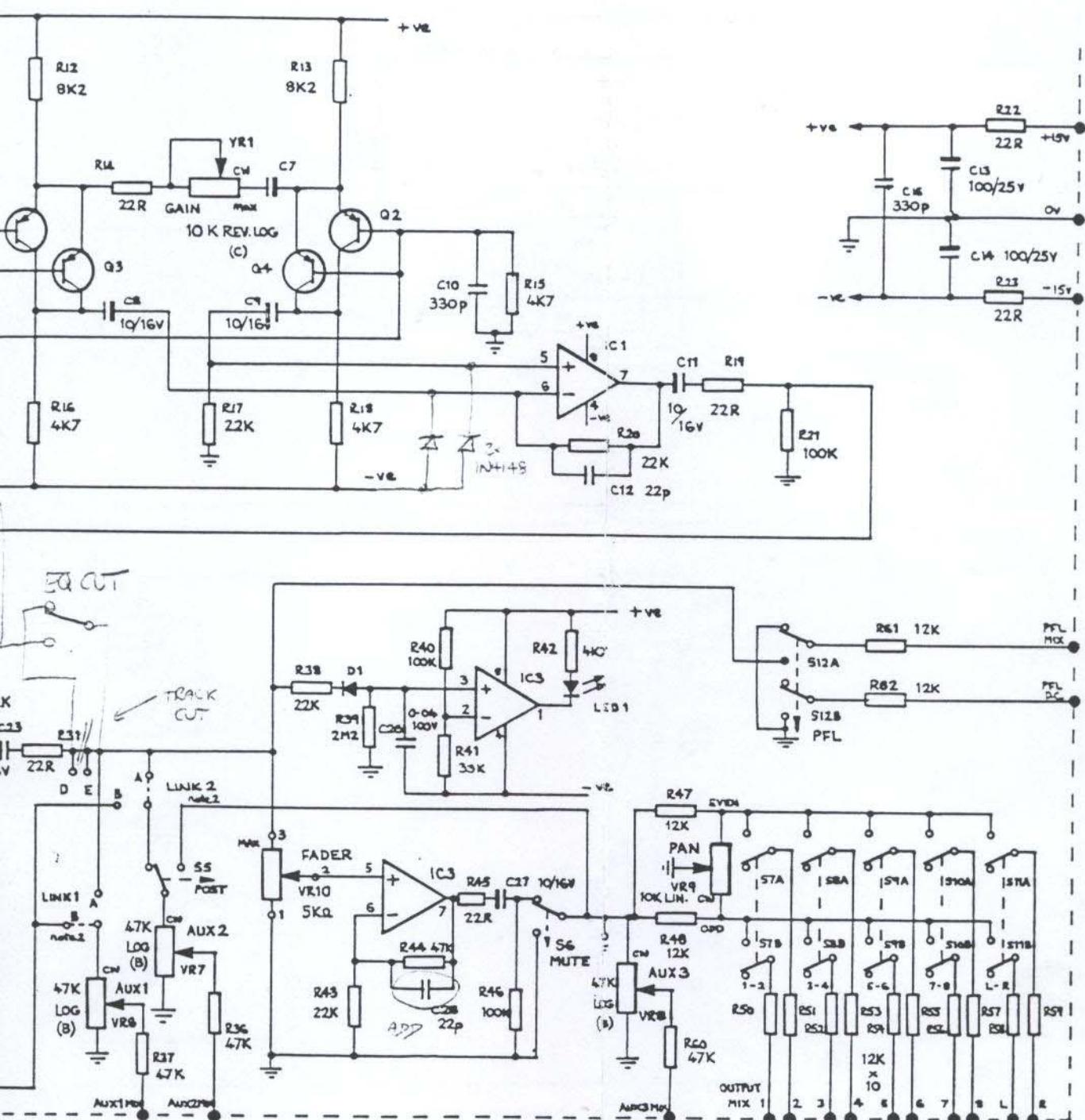
- NOTES:
- 1 Link 'PP' is fitted at time of manufacture and may be removed by cutting to disconnect +48v phantom power from the mic input.
 - 2 Link 1 is fitted at time of manufacture in position A (AUX1 POST-EQ) and may be changed by soldering to position B (AUX1 PRE-EQ). Link 2 position A (AUX2 POST-EQ) \rightarrow position B (AUX2 PRE-EQ).
 - 3 Switches are shown in the OUT position.
 - 4 R8, C28 not fitted.
 - 5 Resistors $\frac{1}{4}W$ 5% unless specified.

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1 156.2	CORRECTIONS	✓	✓	1-81.
No.	DESCRIPTION	CHKD	APPD.	DATE
REVISIONS				

ALLEN & HEATH SYSTEM 8

— = MK II



SYSTEM 8 : INPUT CHANNEL CIRCUIT
DWG 277 iss.2 PCB TYPE AG0060 iss.1 NOV.1982

CIRCUIT DIAGRAM : INPUT PCB AG0060 iss.1.

DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R	R	R	R	12.82.	-

DRAWING No. 277. iss.2

TECHNICAL BULLETIN

AHB SYSTEM 8 and 21 SERIES PREAMPS

IMPROVEMENT TO RELIABILITY UNDER FAULT CONDITIONS

With a faulty microphone input connector that earths pin 2 or pin 3 of the channel input and when the +48 volt phantom power is on, failure of the IC1 on the input pcb can occur at the moment the connector is inserted. Experience is that only a small percentage of channels will fail, and the following makes the preamp proof against this failure condition.

Parts required: 2 off general purpose silicon diode IN4148 or equivalent.

Method: refer to the information sheet attached.

Open the unit and on input pcbs locate the input pins to IC1 TL072CP

System 8

21 Series

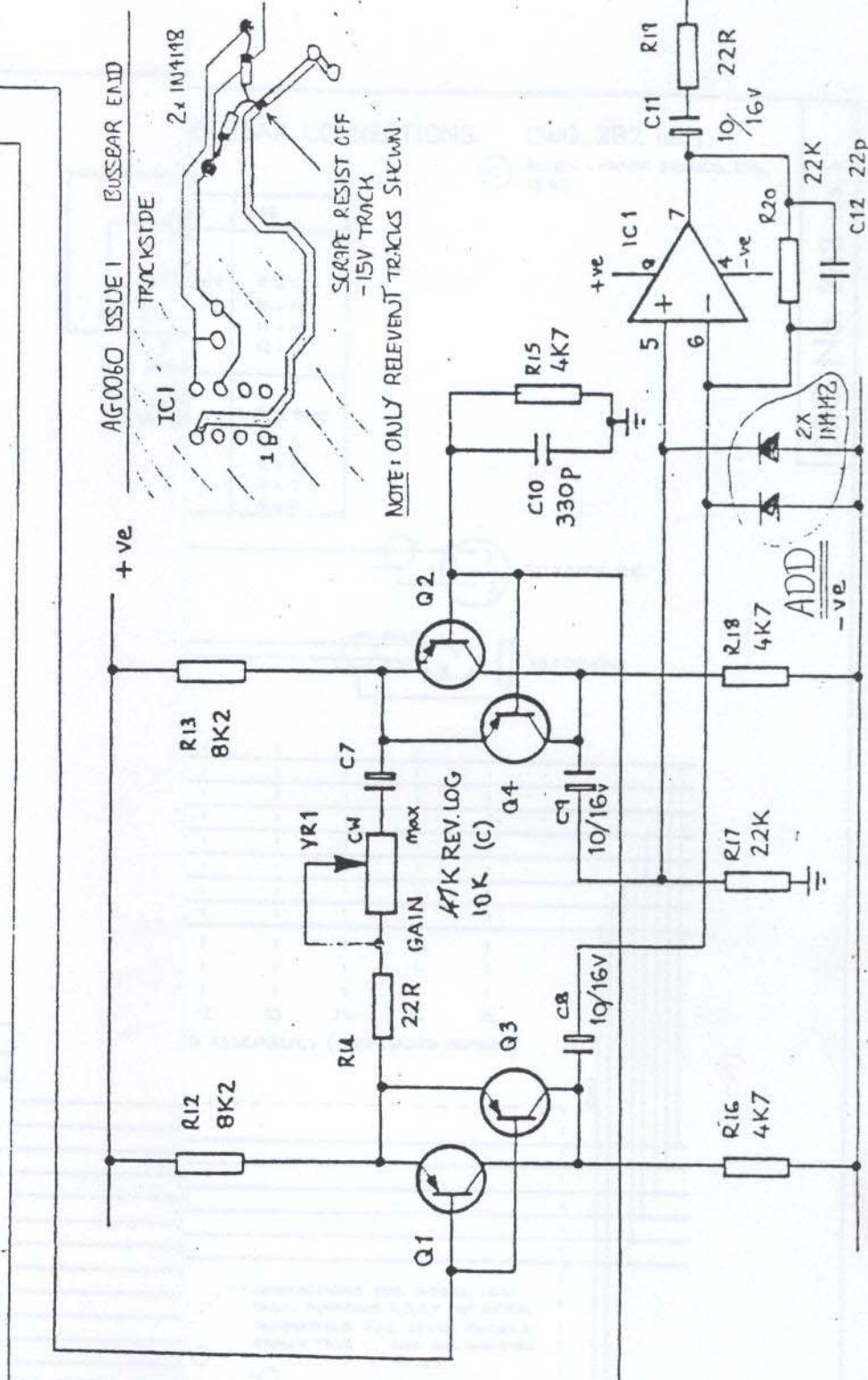
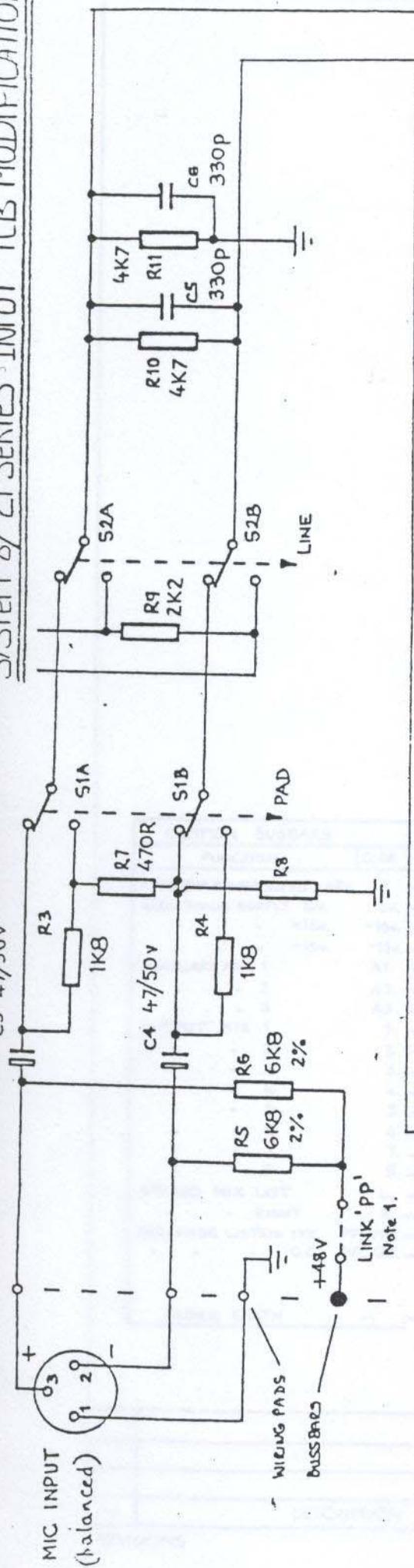
pins 5+6

pins 2+3

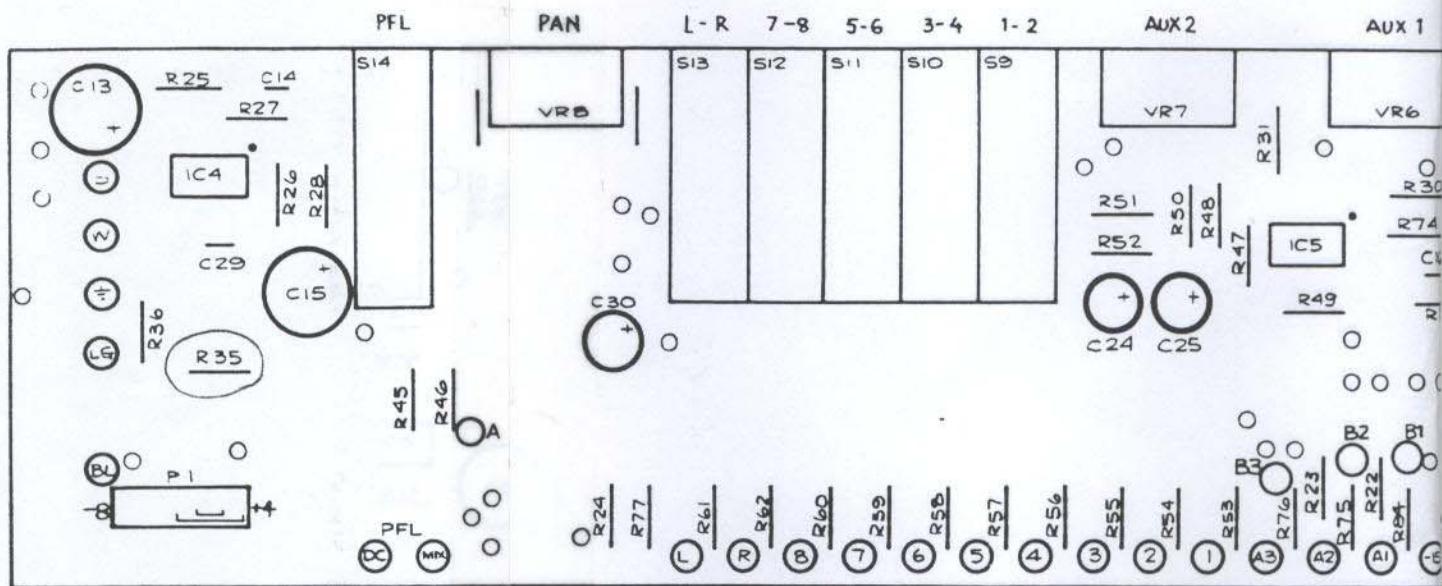
Add one diode between each input pin and the negative 15 volt supply as shown on the diagram. Observe the diode polarity, the end with the stripe should connect to the IC input pins.

This revision applies to all production to date and is factory fitted on System 8 units after serial number 1100 and Series 21 units after serial number 0436.

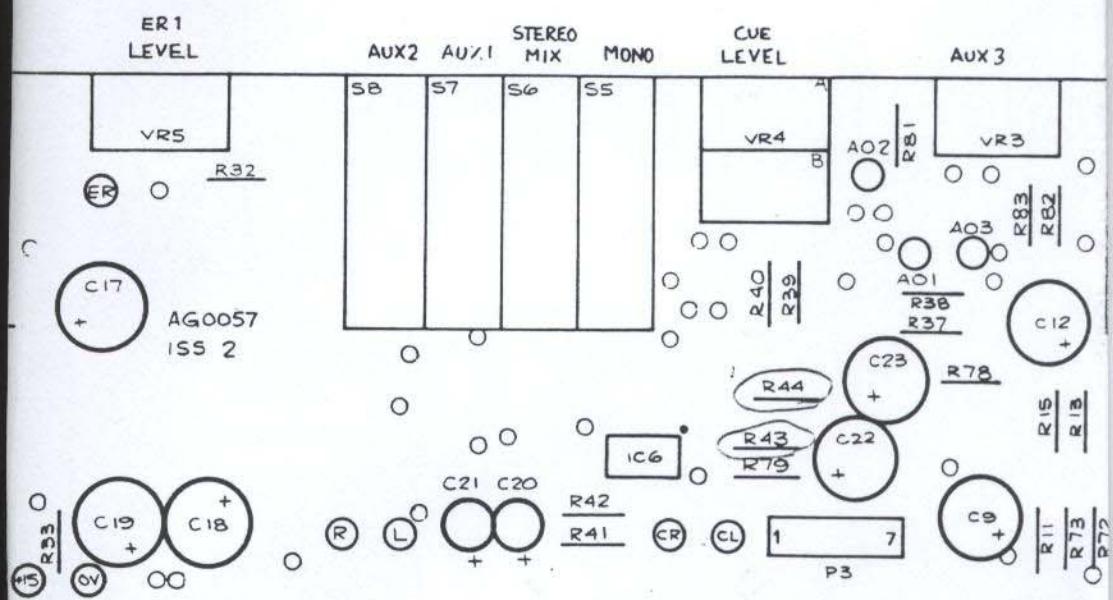
SYSTEM 8/21 SERIES INPUT PCB MODIFICATION



MASTER LEFT PCB



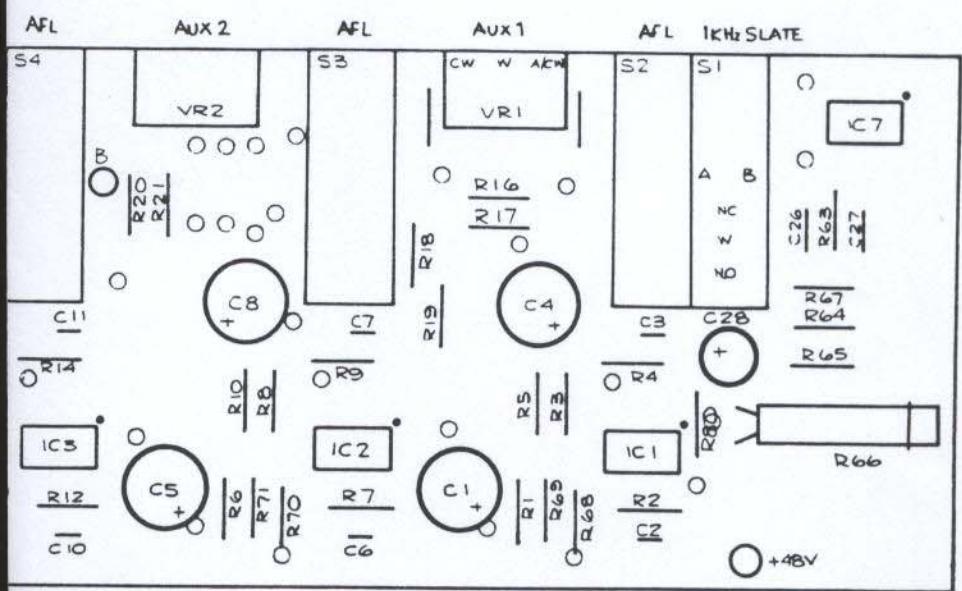
PCB ASSEMBLY DIAGRAM:

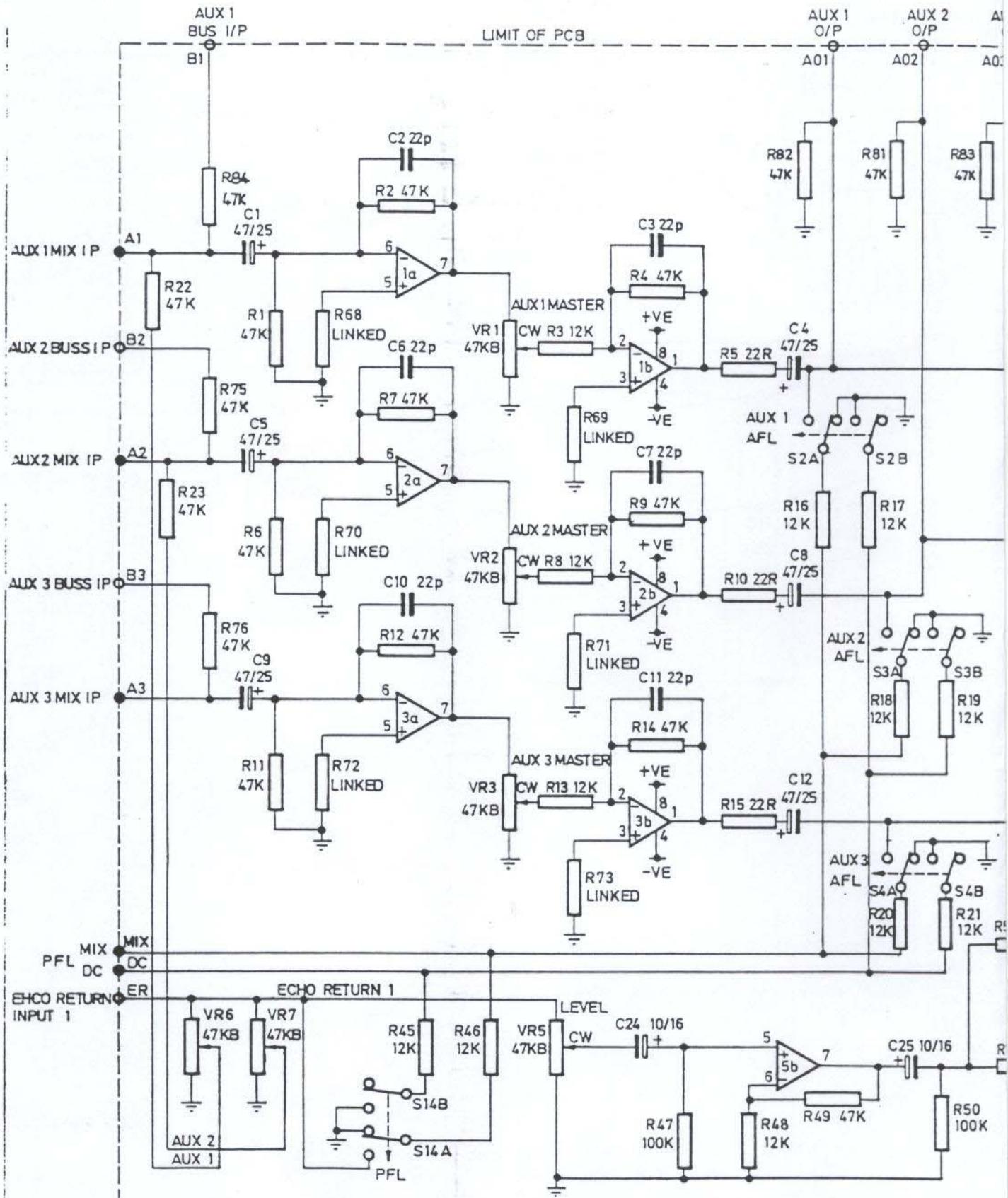


MASTER LEFT PCB TYPE AG0057 ISSUE 2

NOV. 1982

AHB Ltd.





○ WIRING PAD

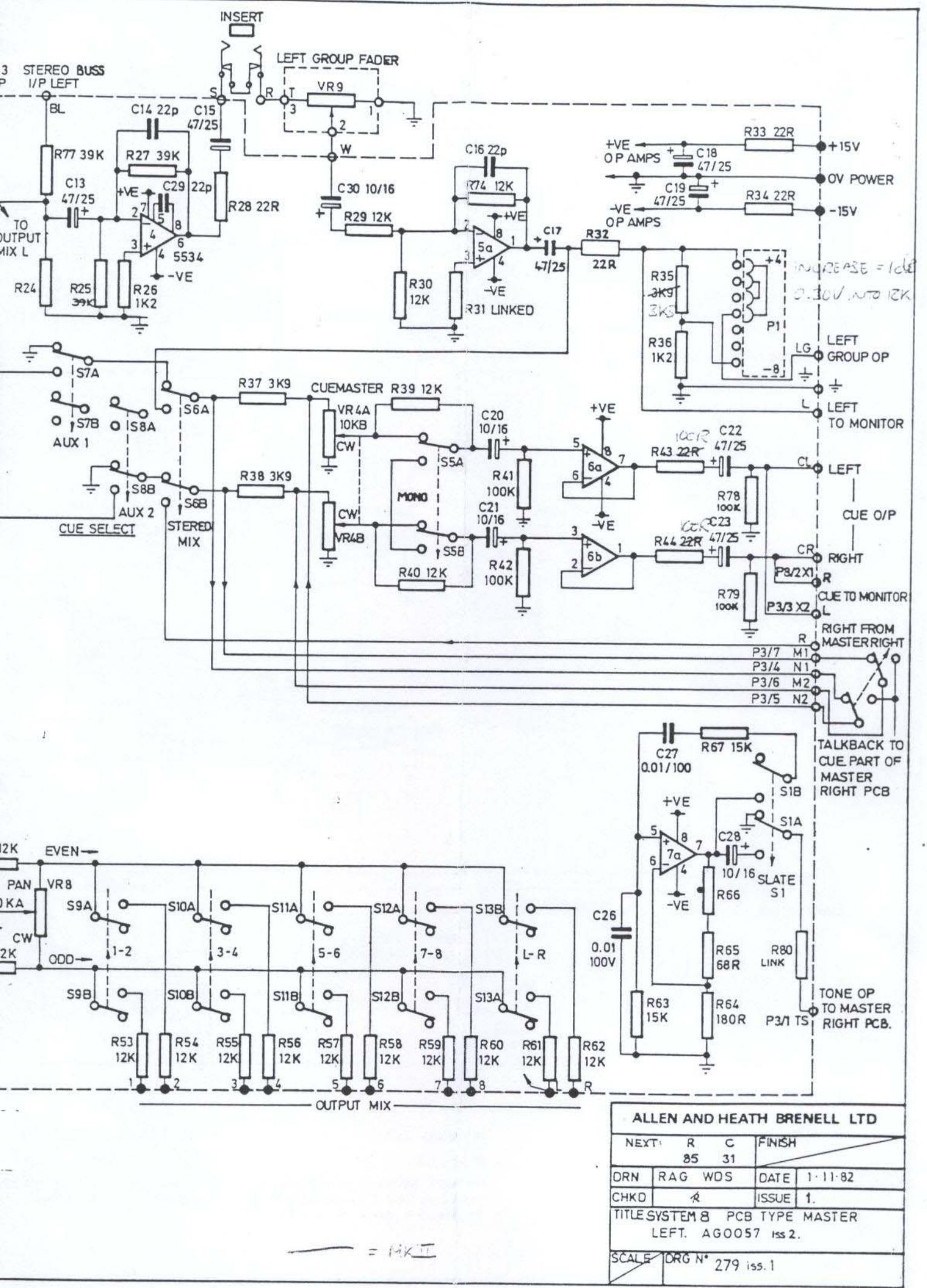
● BUS BAR

Switches shown in OUT position.
Resistors 1/4W 5% unless specified.
P1 fitted +4 position (n manuf'r).

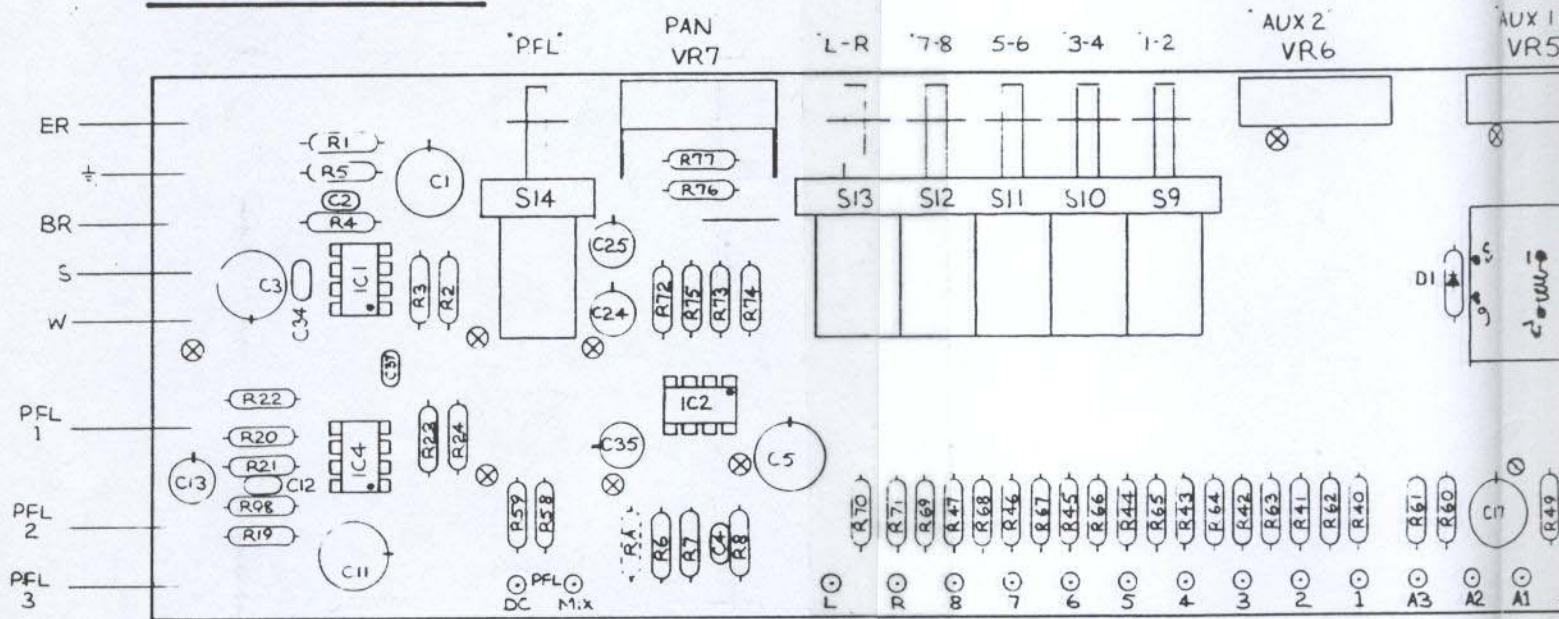
ICs 1,2,3,5,6,7, TL072CP.

IC 4 NE5534.

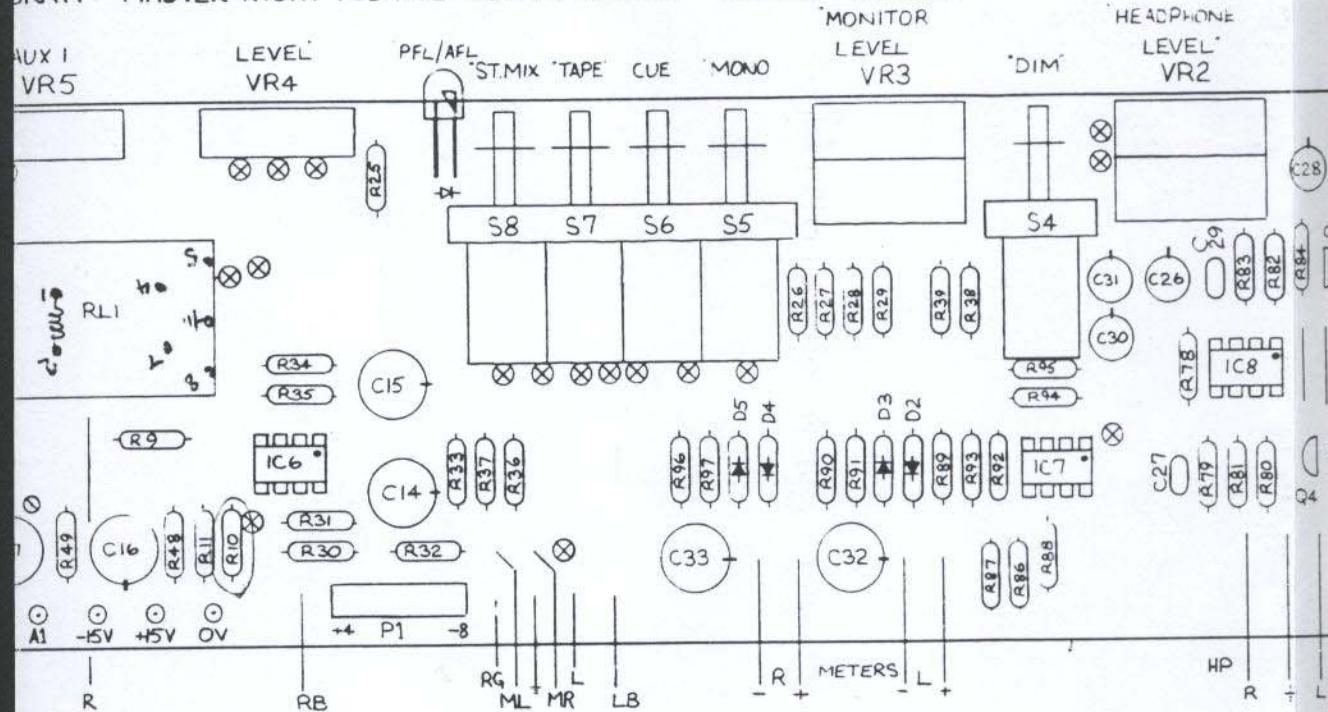
Capacitors C3,7,11,29 not fitted.
Resistor R24 not fitted.

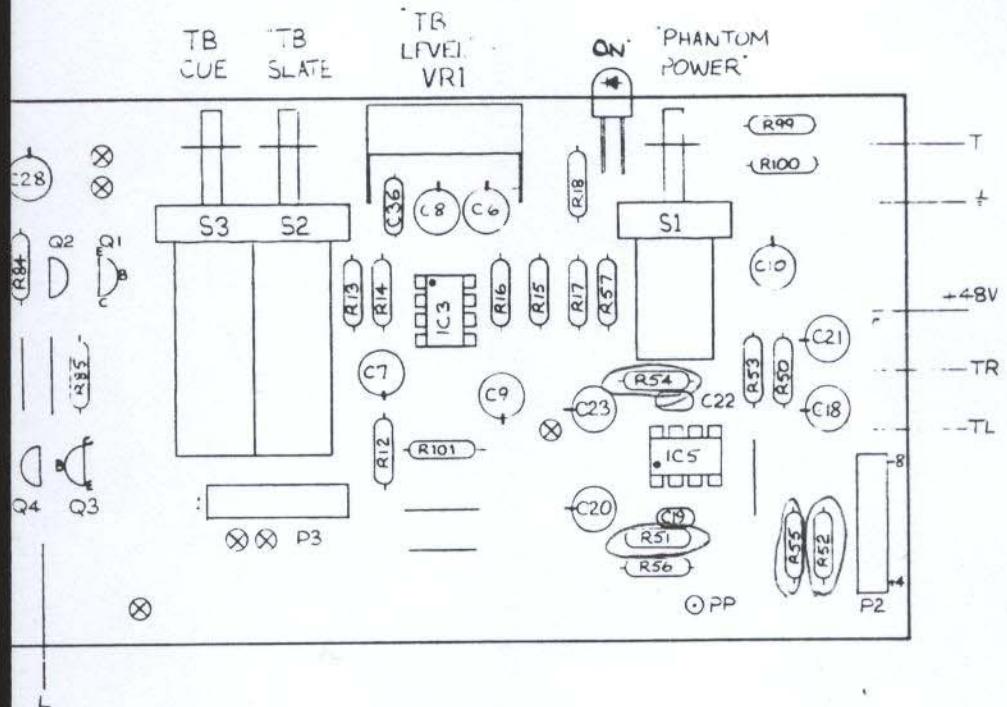


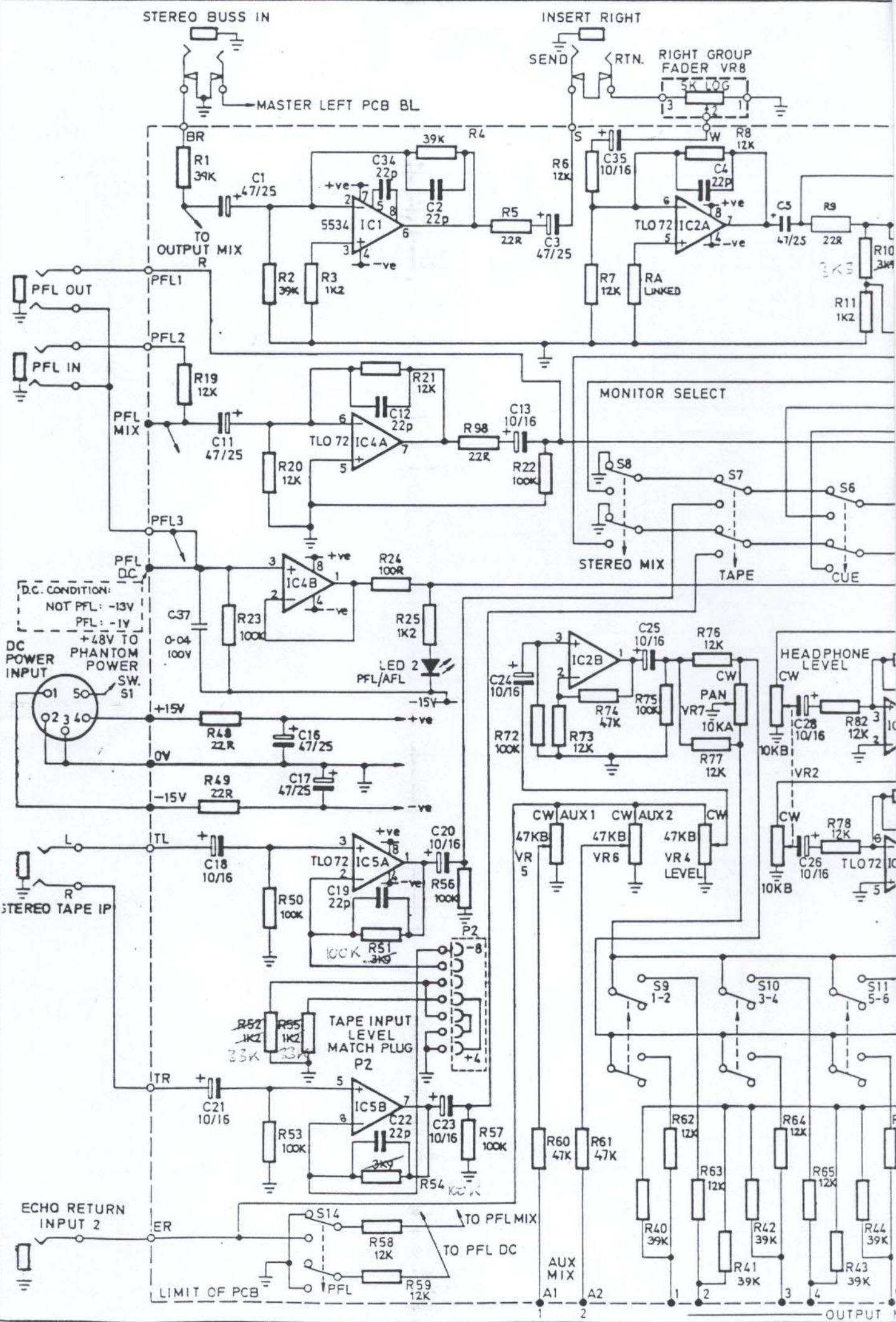
MASTER RIGHT PCB

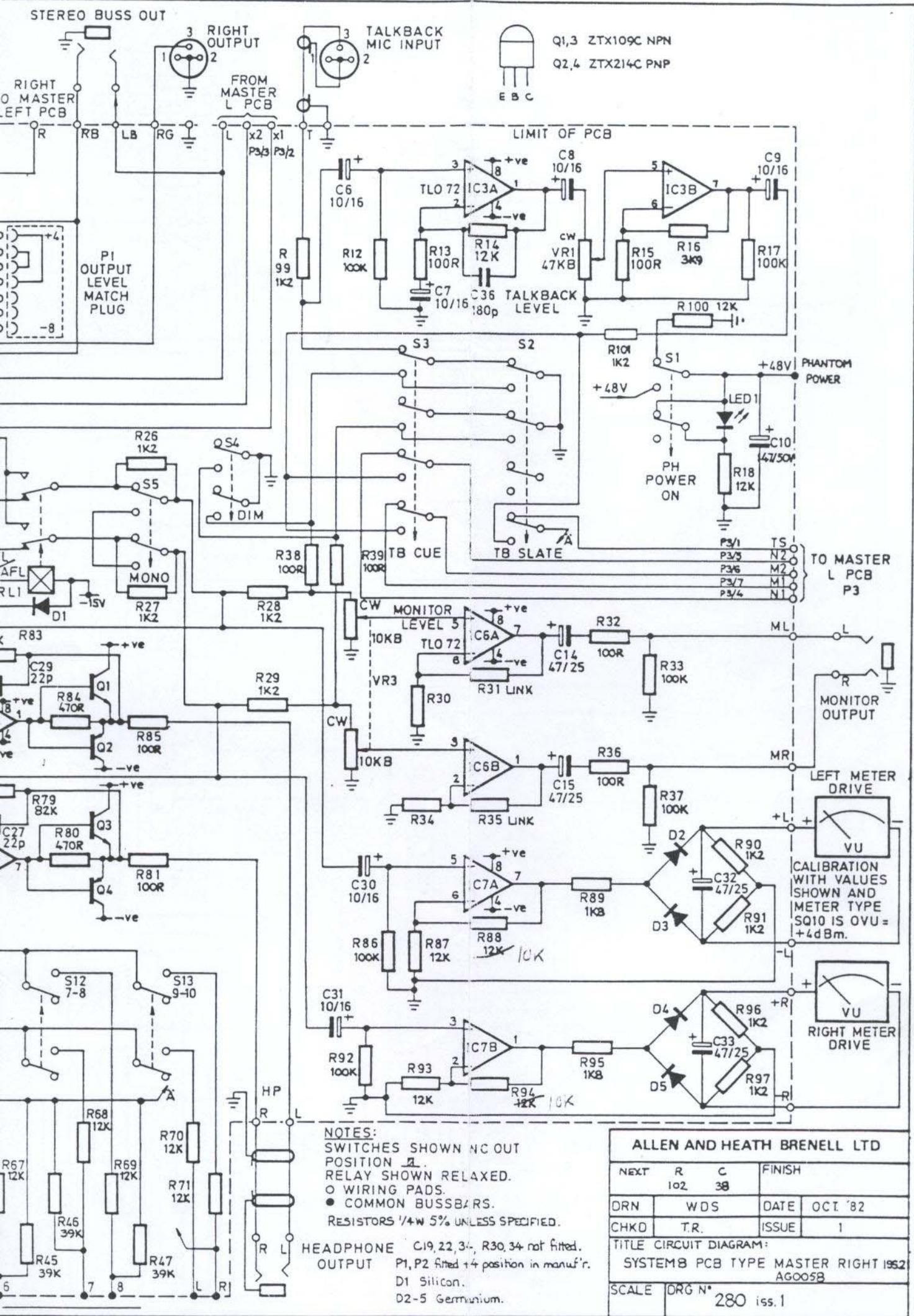


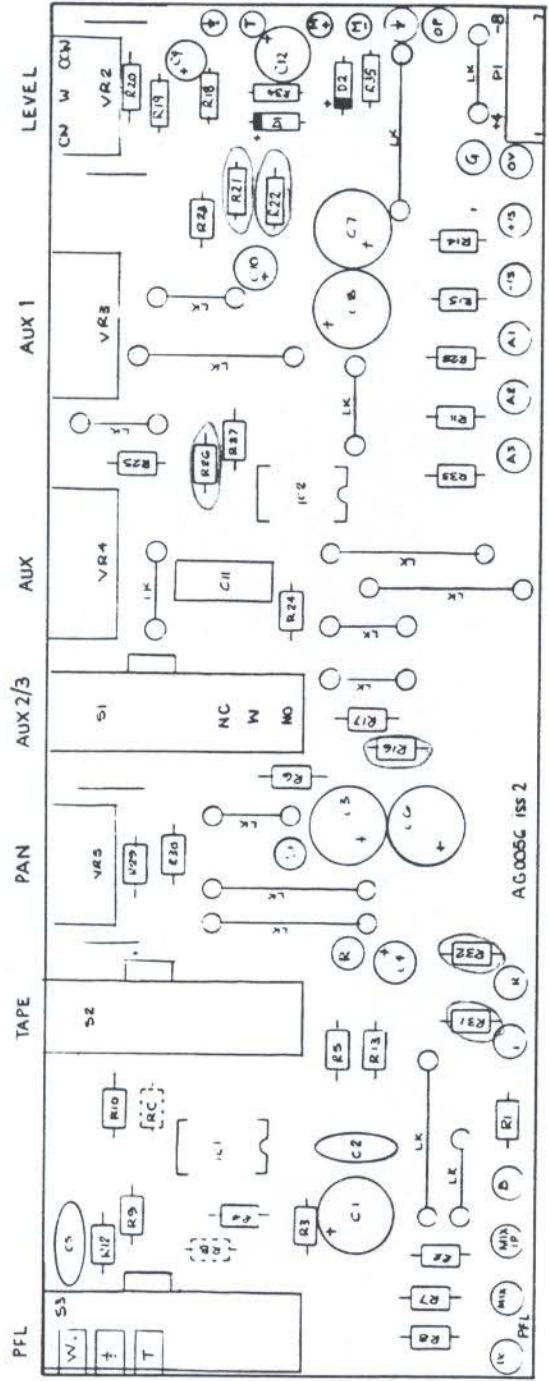
GRAM: MASTER RIGHT PCB TYPE AG0058 ISSUE 2 NOV. 1982 AHB LTD.



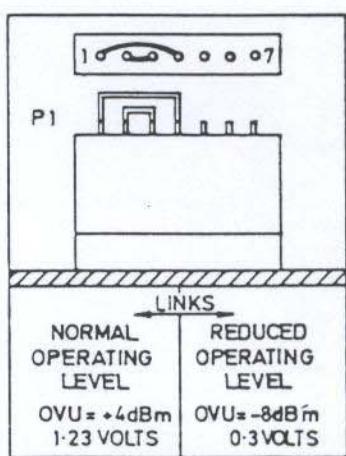
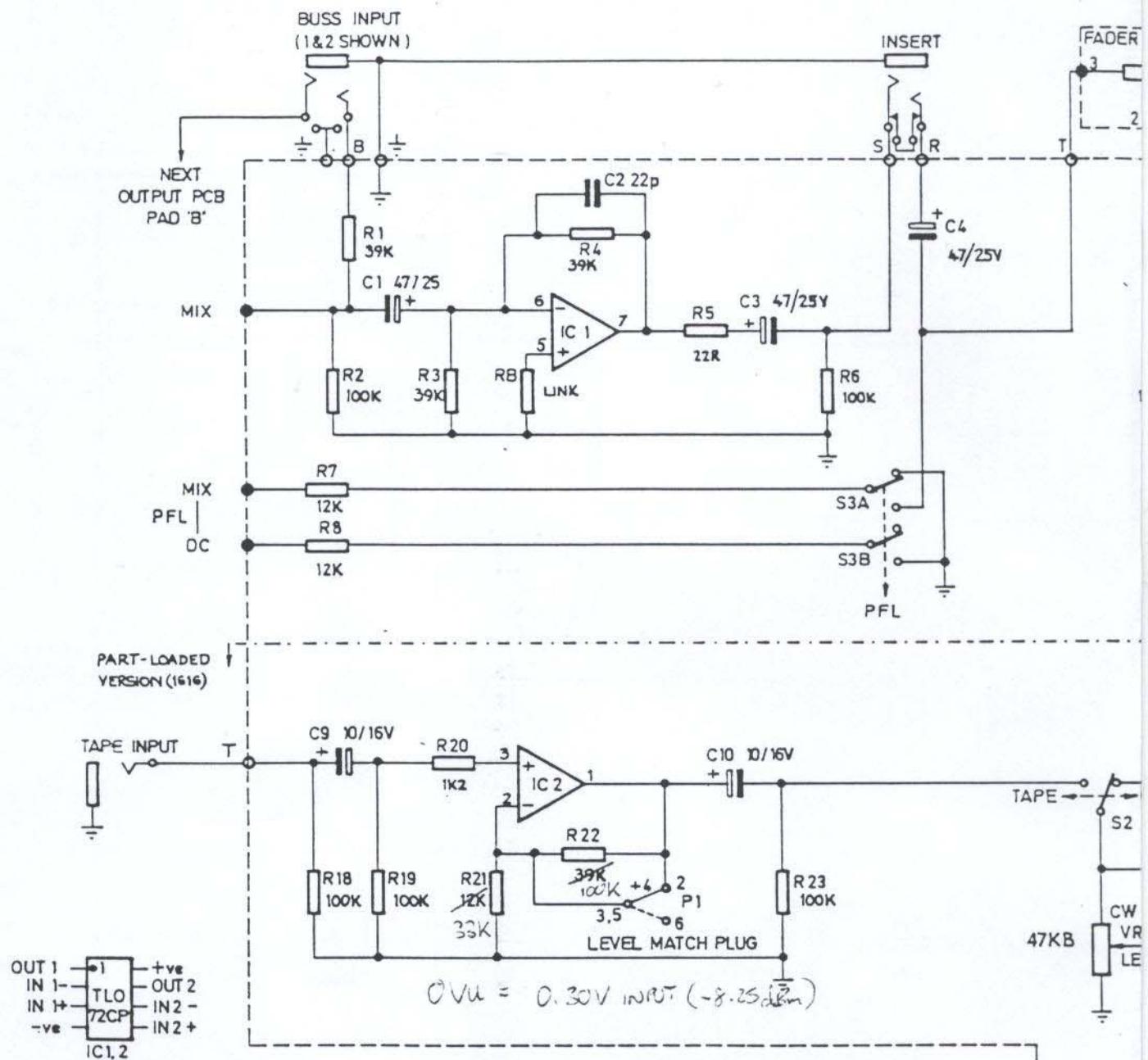








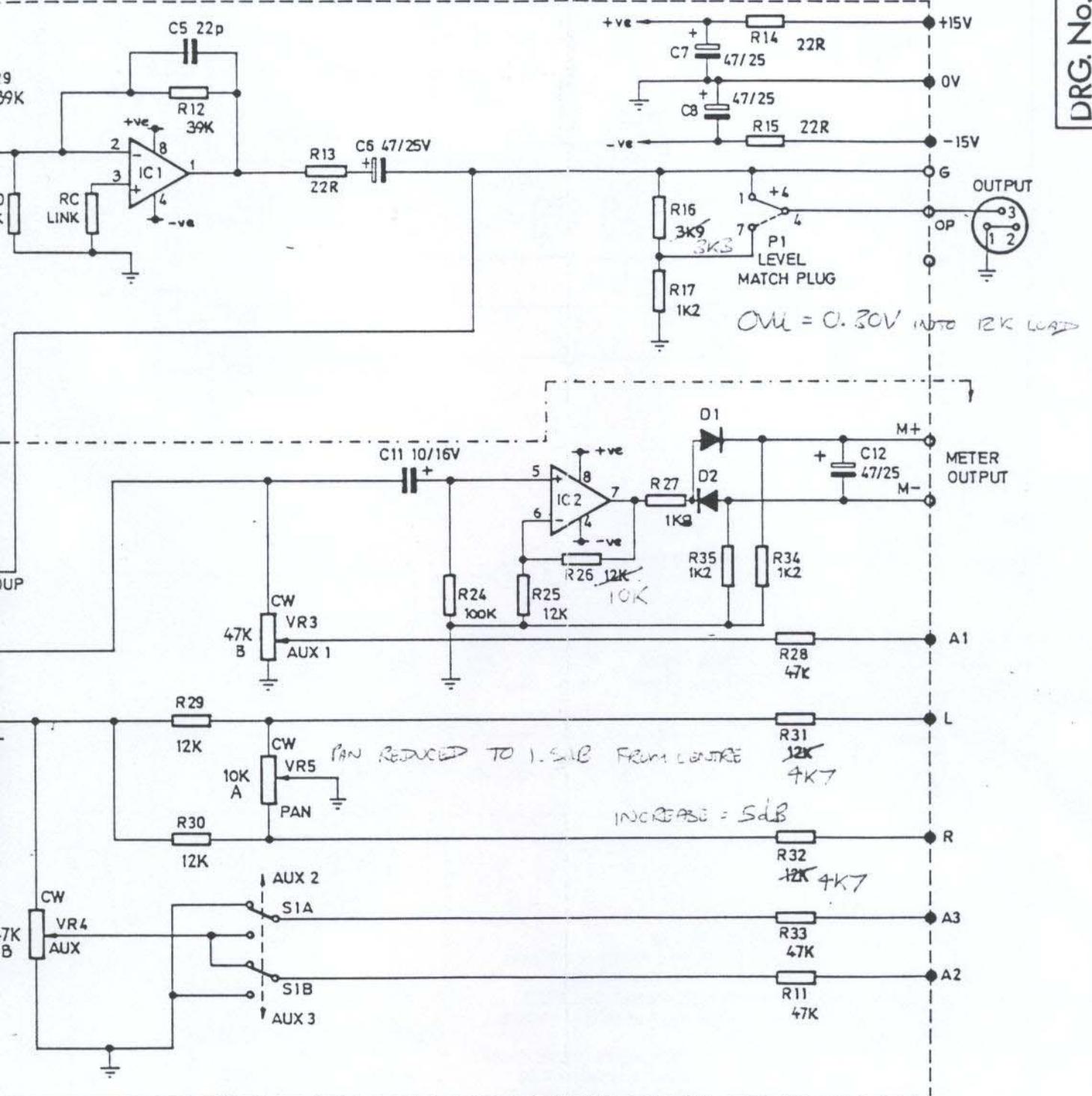
PCB ASSEMBLY DIAGRAM: OUTPUT PCB TYPE AG0056 issue 2 Nov 1992. AHB LTD.



No.	DESCRIPTION	CHKD	APPD	DATE
REVISIONS				

ALLEN & HEATH SYSTEM 8

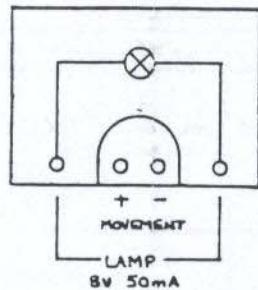
— = MK II



ALLEN & HEATH: SYSTEM 8: OUTPUT PCB CCT.DETAIL. PCB TYPE AG0056 ISS 2. DWG: 278 ISS 1. NOV 1982.

CIRCUIT DETAIL; OUTPUT PCB
TYPE AHB 82 OUTPUT
AG0056 ISS.2.

DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R	RAG.WDS	R	R	NOV 82	—
DRAWING No. 278 ISS. 2.					594 x 420 mm A2



METER TYPE SQ10

COMMON BUSBARS	
FUNCTION	CODE
PHANTOM POWER SUPPLY +48V.	P.
ELECTRONIC SUPPLY OV.	OV.
- - +15v.	+15v.
- - -15v.	-15v.
AUXILIARY MIX 1	A1.
- - 2	A2.
- - 3	A3.
OUTPUT MIX 1	1.
- - 2	2.
- - 3	3.
- - 4	4.
- - 5	5.
- - 6	6.
- - 7	7.
- - 8	8.
STEREO MIX LEFT	L.
" RIGHT	R.
PRE FADE LISTEN MIX	PFL MIX.
- - D.C.	PFL D.C.
FADER EARTH	-

INPUT PCB ASSEMBLIES

MASTER LEFT
PCB ASSEMBLY.

No.	DESCRIPTION	CHKD	APPD	DATE
REVISIONS				

SYSTEM 8

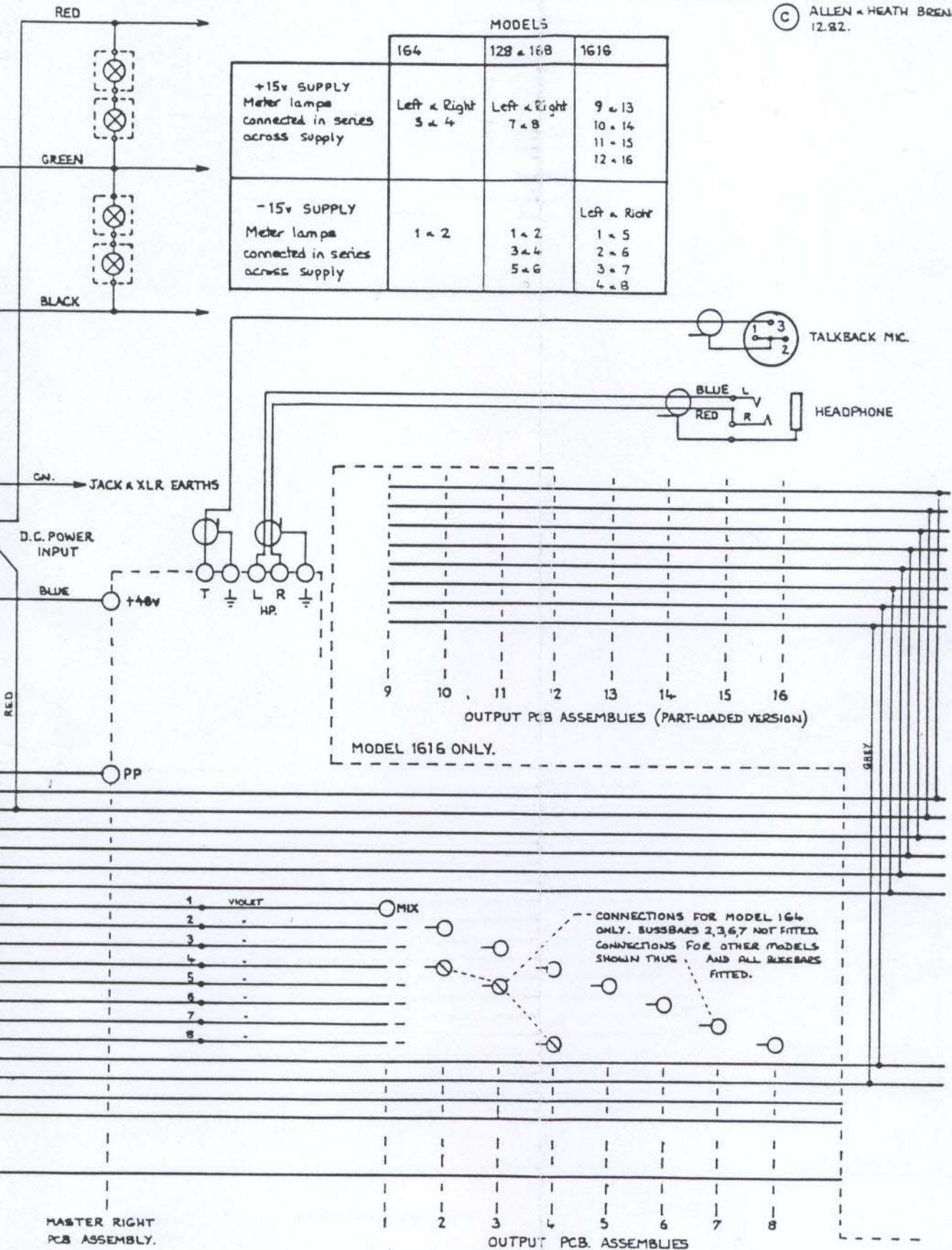
ALLEN & HEATH BRENNELL LTD.

SYSTEM 8 : METERPOD-BUSBAR CONNECTIONS

DWG. 282 iss. 1

C ALLEN & HEATH BRENT LTD.
12.82.

DRG. No. 282 iss. 1

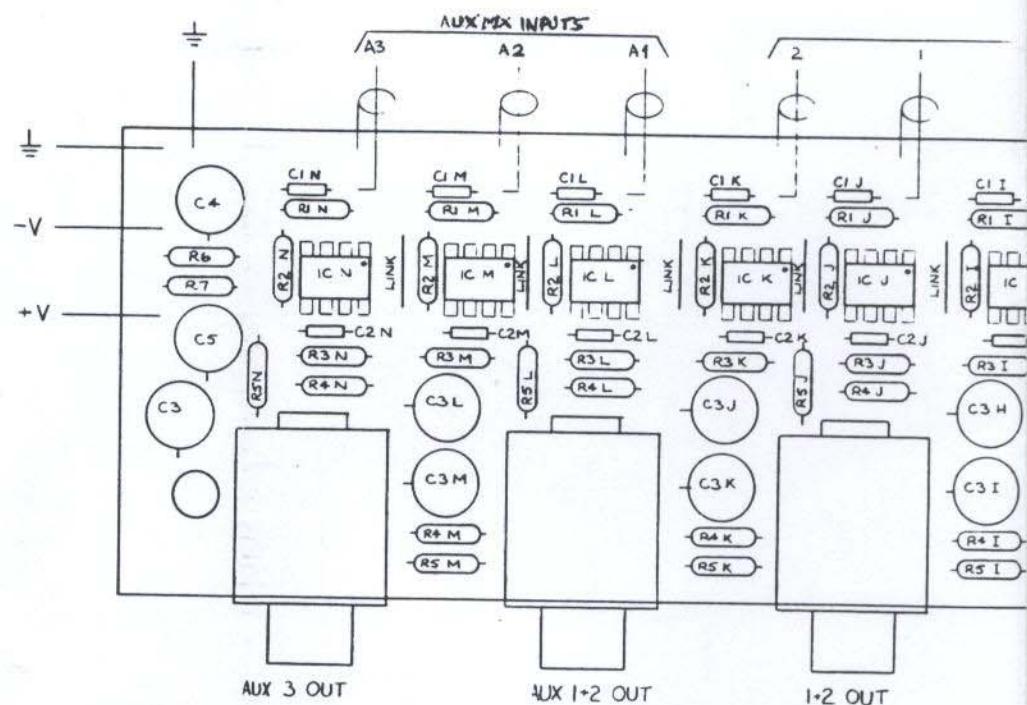


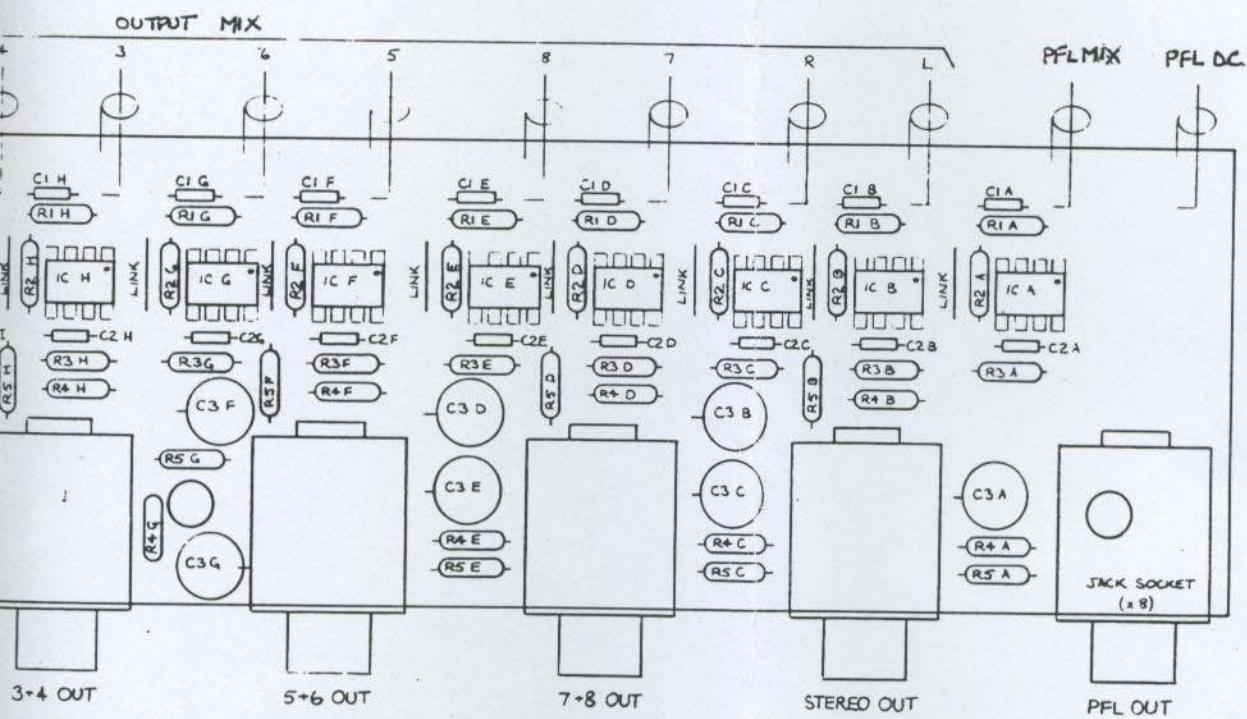
METERPOD * BUSBAR CONNECTIONS

DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R		R	R	12.82.	

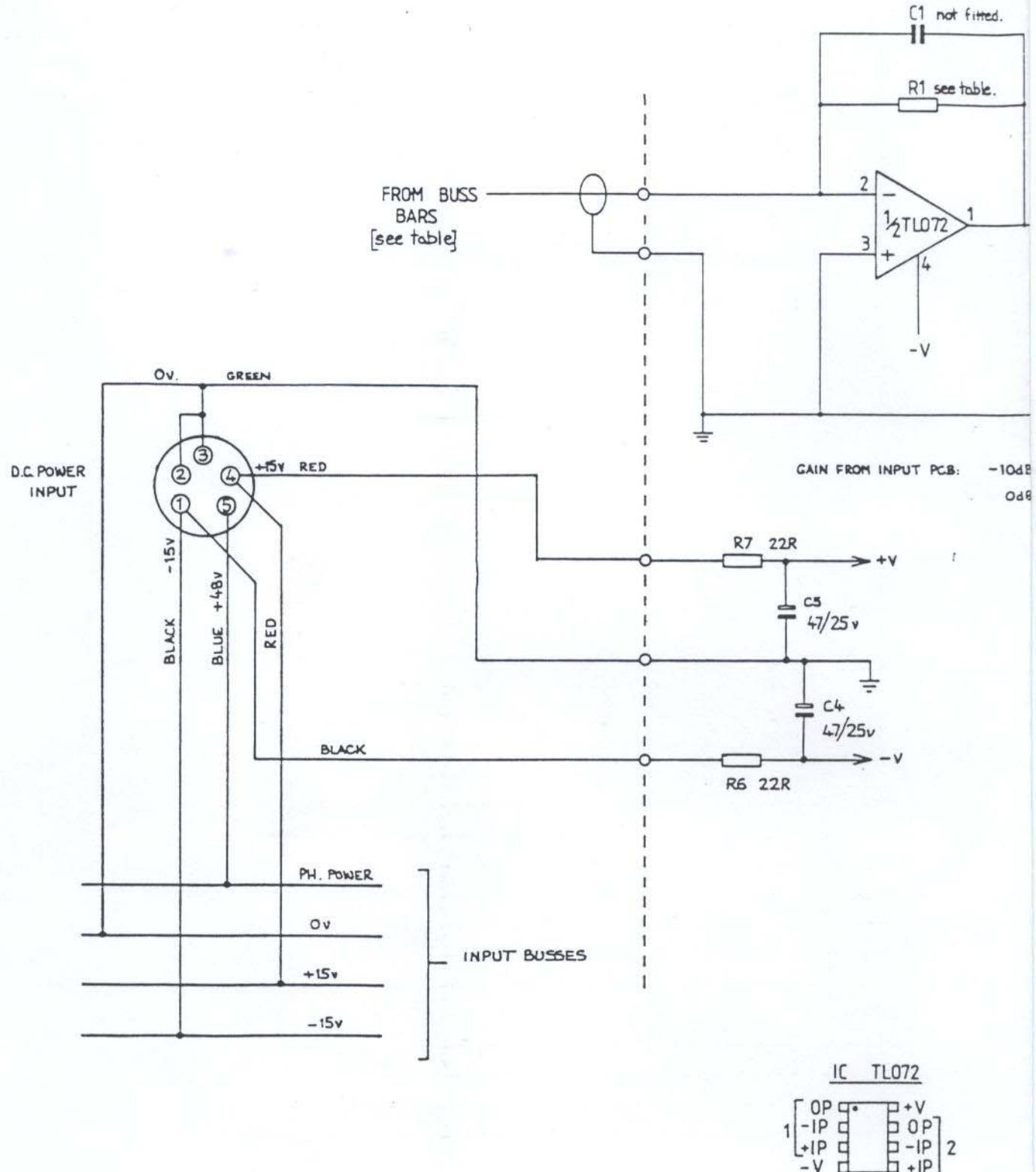
DRAWING No. 282 issue 1

EX 8 PCB





RAM: PCB TYPE EX8 AG0059 iss1 AHB Ltd NOV 1982.

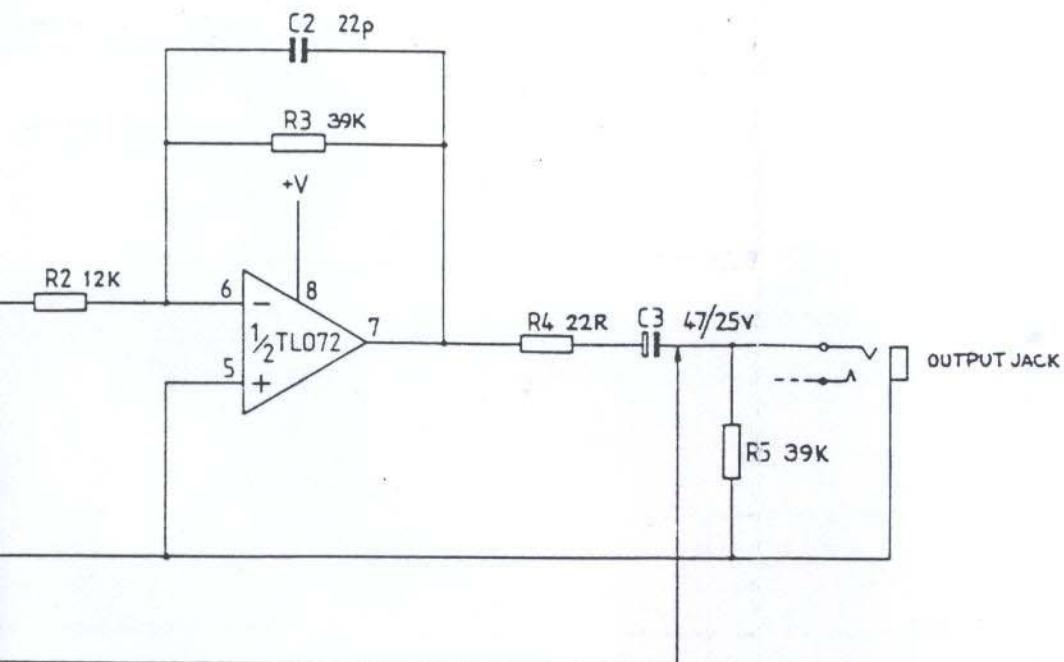


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No.	DESCRIPTION	CHKD	APP'D	DATE
REVISIONS				

CIRCUIT DIAGRAM: PCB TYPE AG0059 EX8 iss
ALLEN & HEATH SYSTEM 8

AHB LTD. DEC. 1982.



MIXER BUSS BAR	CIRCUIT SUFFIX	JACK SOCKET		R1
PFL SENSE	-	PFL OUT	Ring	-
PFL (AUDIO)	A	"	Tip	3K9
GROUP BUSS LEFT	B	STEREO OUT	T	12K
" RIGHT	C	"	R	12K
" 7	D	7+8 OUT	T	12K
" 8	E	"	R	12K
" 5	F	5+6 OUT	T	12K
" 6	G	"	R	12K
" 3	H	3+4 OUT	T	12K
" 4	I	"	R	12K
" 1	J	1+2 OUT	T	12K
" 2	K	"	R	12K
AUX 1	L	AUX 1+2 OUT	T	15K
AUX 2	M	"	R	15K
AUX 3	N	AUX 3 OUT	T	15K

SYSTEM 8 : CIRCUIT DIAGRAM PCB TYPE EX8 AG0059 iss 1. DWG. 281 iss 1. DEC. 1982.

	DRAWN MA	TRACED	CHECKED <i>R</i>	APPROVED <i>R</i>	DATE 12.82	SCALE
	DRAWING No. 281 issue 2					